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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/686,679	10/17/2003	Cyrille Roget	033818-016	8303

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EXAMINER

JOHNSTONE, ADRIENNE C

ART UNIT PAPER NUMBER

1733

DATE MAILED: 12/01/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/686,679

Applicant(s)

ROGET ET AL.

Examiner

Adrienne C. Johnstone

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 September 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 20-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 20-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 112*

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 20, 24, and 25 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

This is a new matter rejection.

The examiner cannot find support in the original disclosure for the carcass cables having the specified properties without being composite cables as is now encompassed by new claim 20.

### *Claim Rejections - 35 USC § 103*

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

4. Claims 20-22 and 24-26 are rejected under 35 U.S.C. 103(a) as obvious over Shepherd et al. (4,155,394) in view of Watanabe et al. (5,427,167), Shoyama (5,476,129), and Ueyoko et al. (5,522,443).

These references are combined for the same reasons as set forth in paragraph 16 of the Office action mailed March 22, 2006. Specifically, the only difference between the reference tire and the claimed tire is that the reference is silent as to whether or not the tire is a radial aircraft tire (embodiment of Figures 2 and 4, col. 2 line 25 - col. 9 line 64), however this type of tire is extremely well known in the tire art as evidenced by Watanabe et al. (col. 3 line 36 - col. 4 line 23), Shoyama

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(col. 3 line 60 - col. 5 line 26), and Ueyoko et al. '443 (col. 3 line 15 - col. 4 line 20) for example; it would therefore have been obvious to one of ordinary skill in the art to provide the reference tire in such an extremely well known radial aircraft tire form. Note that the exemplary breaking loads (tensile strengths) range from 77.1 lbf/4020 denier = 77 cN/tex to 88.2 lbf/4020 denier = 88 cN/tex, and Figure 2 clearly shows the transition point and gradient ratio within the broadly claimed ranges of 1%-7% and 0.08-1.0, respectively. Also note that since applicants' exemplary yarns are also aramid and nylon there is sufficient basis for the examiner to infer that the aramid and nylon yarns of the reference meet the breaking load limitation; burden is therefore shifted to applicants to show an unobvious difference (MPEP 2112, 2112.01). As to claims 25 and 26, the composite cords may also be used in the belt (crown reinforcement)(col. 9 lines 53-64).

Applicants' arguments are based on their sketches of Shepherd et al. Figure 2, however the sketches mischaracterize the slope after the transition point and therefore the arguments are not persuasive.

5. Claim 23 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shepherd et al. (4,155,394) in view of Watanabe et al. (5,427,167), Shoyama (5,476,129), and Ueyoko et al. (5,522,443) as applied to claims 1-4 above, and further in view of Majerus (4,865,098).

The broadly claimed tread pattern is conventional in aircraft tires, as evidenced by Majerus (embodiment of Figures 1 and 2) for example; it would therefore have been obvious to one of ordinary skill in the art to provide such a conventional tread pattern in the above aircraft tire.

### ***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adrienne C. Johnstone whose telephone number is (571) 272-1218. The examiner can normally be reached on Monday-Friday, 10:30AM-7:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Crispino can be reached on (571) 272-1226. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Adrienne C. Johnstone  
Primary Examiner

Application/Control Number: 10/686,679

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Adrienne Johnstone

November 27, 2006

A handwritten signature in cursive script, reading "Adrienne C. Johnstone". The signature is written in dark ink and is positioned to the right of the typed name.